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**IN THE SPECIFICATION**

Following the title, please replace the first paragraph with the following paragraph:

**CROSS REFERENCE TO RELATED APPLICATIONS**

This application is a divisional of and claims the benefit of the filing date of U.S. Patent Application Serial No. 10/063,991 by inventors David M. Albert, Edwin K. Arrant, and Marvin B. Edwards, entitled "System and Method of Operation of an Embedded System for a Digital Capacitance Diaphragm Gauge," filed May 31, 2002, which, in turn, is related to United States Provisional Application No. 09/350,744, filed July 9, 1999, each of which is hereby incorporated into this application by reference in its entirety as if it had been fully set forth herein.